



## RAVI MATHS TUITION CENTRE , WHATSAPP - 8056206308

Time : 100 Mins

THE LIVING WORLD 1

Marks : 400

1. In a taxonomic hierarchy, genus is interpolated between
  - a) order and species
  - b) family and species.
  - c) kingdom and class
  - d) phylum and order
2. An English naturalist, who wrote the book '**Historia Generalis Plantarum**' and introduced the word 'species' was
  - a) Theophrastus
  - b) John Ray
  - c) Cuvier
  - d) Lamarck
3. Taxonomic hierarchy was introduced by
  - a) Linnaeus
  - b) Aristotle
  - c) Bentham and Hooker
  - d) None of these
4. Which of the following 'suffixes' used for units of classification in plants indicates a taxonomic category of 'family'?
  - a) -Ales
  - b) -Onae
  - c) -Aceae
  - d) -Ae
5. Which one of the following is not a category?
  - a) Phylum
  - b) Species
  - c) Class
  - d) Glumaceae
6. Catalogues
  - a) list or register containing names of all the species found in a particular place
  - b) booklet containing all the characters and their alternates which are helpful in identifying all the taxa
  - c) handy book containing instruction of a species
  - d) treatise having all informations about a particular taxon.
7. The internationally recognised binomial nomenclature was developed by Linnaeus in his book
  - a) Philosophia Botanica
  - b) Historia Plantarum
  - c) Species Plantarum
  - d) none of these
8. Living organisms show all the following properties, except
  - a) Self replication
  - b) Evolution
  - c) Self regulation
  - d) High specific gravity and extrinsic growth
9. According to binomial nomenclature, two words used for naming a plant or animal are
  - a) Family and genus
  - b) Species and family
  - c) Class and family
  - d) Genus and species
10. Mark the Incorrect statement w.r.t. museums
  - a) Specimens are preserved in preservative
  - b) insects are kept in insect boxes
  - c) Live animals are kept in protected environments
  - d) Specimens are also be preserved as dry specimens
11. Study the following statements and select the correct ones.
  - (i) Herbarium is a store house of collected plant specimens that are dried, pressed and preserved on sheets.
  - (ii) Flora provides the index to the plant species found in a particular area.
  - (iii) Monographs contain information about particular taxon.
  - a) (i) and (ii)
  - b) (ii) and (iii)
  - c) (i) and (iii)
  - d) (i), (ii) and (iii)
12. Study the following statements regarding significance of botanical gardens and select the incorrect one.
  - a) These help in growing important plants of local flora and keeping their record.
  - b) These help in providing living plant material for research work.
  - c) These help in growing and maintaining rare and endangered plants
  - d) None of these
13. Who wrote "**Species Plantarum**" and provided a basis for the classification of plants?
  - a) Carolus Linnaeus
  - b) Charles Darwin
  - c) Carolus Linnaeus
  - d) Charles Darwin

14. **Assertion:** Keys are analytical in nature.

**Reason:** Keys are based on couplet.

- a) If both assertion and reason are true and reason is the correct explanation of assertion.
- b) If both assertion and reason are true but reason is not the correct explanation of assertion.
- c) If assertion is true but reason is false.
- d) If both assertion and reason are false.

15. **Assertion:** Living organisms show internal as well as external growth.

**Reason:** Living organisms undergo the process known as accretion

- a) If both assertion and reason are true and reason is the correct explanation of assertion.
- b) If both assertion and reason are true but reason is not the correct explanation of assertion.
- c) If assertion is true but reason is false.
- d) If both assertion and reason are false.

16. Taxonomy comprises

- a) Identification
- b) Classification
- c) Nomenclature
- d) All of these

17. **Assertion:** Species is a group of individuals with fundamental similarities.

**Reason:** Indica, leo, tuberosum represent such group of individuals.

- a) If both assertion and reason are true and reason is the correct explanation of assertion.
- b) If both assertion and reason are true but reason is not the correct explanation of assertion.
- c) If assertion is true but reason is false.
- d) If both assertion and reason are false.

18. Which of the following organisms does not reproduce?

- a) Mule
- b) Worker bee
- c) Infertile human female
- d) All of these

19. 'Systema Naturae' was written by

- a) Ernst Mayr
- b) Carolus Linnaeus
- c) RH Whittaker
- d) MW Beijernick

20. Which of the following depict the correct functions of botanical garden?

- I. One can observe tropical plants there.
- II. They allow ex situ conservation of germplasm.
- III. They provide the natural habitat for wildlife.
- IV. They provide a beautiful area for recreation.

Choose the correct option.

- a) I, II and IV
- b) Only II
- c) Only III
- d) II and IV

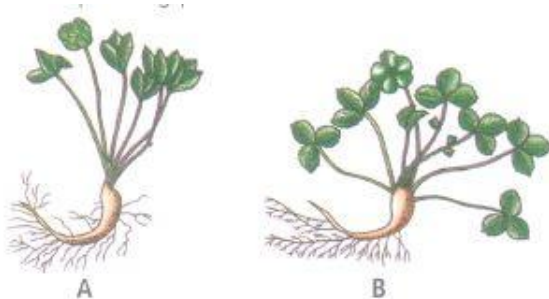
21. Which one is exclusive characteristic of living beings?

- a) Increase in mass from inside
- b) Increase in mass both from outside and inside
- c) Perception of events happening in environment and their memory
- d) Isolated metabolic reactions occurring in vitro.

22. The taxonomic category among following is

- a) Species
- b) Malvaceae
- c) Thalamiflorae
- d) Dicotyledonae

23. Which of the following figures represents the correct method of pressing plants to form herbarium sheets?



- a) Figure A as the plant parts are folded.
- b) Figure B as every plant part is unfolded.
- c) Both figures A and B as folding or unfolding does not matter
- d) None of these

24. Match the following columns.

Column I	Column II
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A.Lal Bagh	1.Darjeeling
B.National Botanical Garden	2.Kolkata
C.Indian Botanical Garden	3.Lucknow
D.Forest Research Institute	4.Dehradun
E.Lloyd's BotanicalGarden	5.Bengaluru

a)	b)	c)	d)
ABCDE	ABCDE	ABCDE	ABCDE
53241	13245	21341	41345

25. Select the correctly written botanical/zoological name.  
a) Homo Sapiens    b) Panthera tigris    c) Pisum sativum    d) Mangifera Indica
26. **Assertion:** All organisms reproduce for perpetuation of a population.  
**Reason:** Reproduction is an all inclusive characteristic of living organisms.  
a) If both assertion and reason are true and reason is the correct explanation of assertion.  
b) If both assertion and reason are true but reason is not the correct explanation of assertion.  
c) If assertion is true but reason is false.    d) If both assertion and reason are false.
27. Lowest and highest taxonomic categories are respectively  
a) Division, species    b) Species, division    c) Species, kingdom    d) Phylum, genus
28. Match column I with column II and select the correct option from the codes given below.
- | Column I   | Column II              |
|------------|------------------------|
| A.Planaria | (i) Binary fission     |
| B. Fungi   | (ii) Asexual spore     |
| C. Yeast   | (iii) Budding          |
| D. Amoeba  | (iv) True regeneration |
|            | (v) Fragmentation      |
- a) A-(i), B-(ii), C-(iii), D-(iv)    b) A-(iv), B-(ii), (v), C-(iii), D-(i)    c) A-(ii), B-(v). C-(i), D-(iv)  
d) A-(v). B-(ii), (i), C-(iii), D-(iv)
29. Employment of hereditary principles in the improvement of human race is \_\_\_\_\_.  
a) Euthenics    b) Eugenics    c) Euphenics    d) Ethnology
30. Select the correct option for biological names.  
a) They are binomial    b) They are descriptive    c) They are universal    d) All of these
31. Which of the following are considered as the twin characteristics of growth?  
I. Responses to stimuli.  
II. Increases in mass.  
III. Increases in the number of individuals.  
IV. Increases in width.  
Choose the correct statement  
a) II and IV    b) III and IV    c) II and III    d) I, II, III and IV
32. Select true and false statement and choose correct answer from the option given below.  
I. Taxon is a group of related organisms.  
II. Homo sapiens is the scientific name of man.  
III. Royal Botanical Garden is located in Bristol (England).  
IV. Dudhwa National Park is located at Lakhimpur in UP.  
V. There are about 89 Wildlife Sanctuaries and 492 National Parks in India.  
VI. When specific name is identical to generic name an it is example of tautonym.

a)

TRUE	FALSE
I, III, V	II, IV, VI

b)

TRUE	FALSE
I, II, III	IV, V, VI

c)

TRUE	FALSE
II, IV, VI	V, III, I

d)

TRUE	FALSE
VI, V, IV	III, II, I

33. In a taxonomic hierarchy, from species to kingdom
- The number of common characters decrease
  - Complexity decreases
  - More common characters are shared between members of higher taxa
  - Similarities between plants increases
34. Which one of the following statements is incorrect?
- indica, tuberosum and lea represent the specific epithets.
  - Physalia, Apis and Helianthus represent the generic epithets
  - Monocotyledonae and Dicotyledonae are the two classes of division Angiospermae.
  - Phylum Chordata is the largest phylum of Kingdom Animalia.
35. Tanvi bought ten food items from the supermarket, which are wheat, bananas, mushrooms, onions, **Porphyra** (Laver), Kelps, pine seeds, **Sphagnum** moss, lady's fingers and potatoes. Based on hierarchical classification, how many different phyla/divisions do these items belong to?
- 3
  - 4
  - 5
  - 6
36. Study of principles and procedures of classification of organisms is
- Classification
  - Taxonomy
  - Nomenclature
  - Grouping
37. Which of the following serves as a quick referral systems in taxonomical studies?
- Museum
  - Zoological park
  - Herbarium
  - Botanical garden
38. Which of the following groups consists of organisms which multiply by fragmentation?
- Earthworm, Amoeba, fungi
  - Earthworm, fungi, bacteria
  - Fungi, filamentous algae, protonema of mosses
  - Amoeba, Hydra, bacteria
39. The main objective of plant taxonomy is
- to study the world's flora
  - to provide a method for identification and nomenclature
  - to provide Latin 'scientific' names for every group of plants in the world
  - all of these.
40. Amongst all the kingdoms, the only taxon that exists in nature as a biologically cohesive unit is the
- species
  - genus
  - phylum or division
  - kingdom
41. **Assertion:** The biological species concept helps us to ask how species are formed.  
**Reason:** The concept of biological species focusses our attention on the question of how reproductive isolation comes about.
- Both Assertion and Reason are true, and Reason is the correct explanation of Assertion.
  - Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.
  - Assertion is true, but Reason is false.
  - Assertion is false, but Reason is true.
  - Both Assertion and Reason are false.
42. The label of a herbarium sheet does not carry information on \_\_\_\_\_.
- Date of collection
  - Name of collector
  - Local names
  - Height of the plant.
43. Read the following statements and select the correct option.
- Statement 1:** Zoological parks are the places where wild animals are kept in protected environments under human care and which enable us to learn about their food habits and behaviour.
- Statement 2:** Adequate arrangements for the treatment, medication, regular check up and pathological investigations are absolutely necessary to be made for the health, care, and upkeep of the animals
- Both statements 1 and 2 are correct.
  - Statement 1 is correct but statement 2 is incorrect
  - Statement 1 is incorrect but statement 2 is correct.
  - Both statements 1 and 2 are incorrect

44. Read the following statements regarding biological museums

- (i) Biological museums are generally set up in educational institutes such as schools and colleges.
- (ii) Museums have collections of preserved plant and animal specimens for study and reference.
- (iii) Specimens are preserved in the containers or jars in preservative solutions.
- (iv) Insects are preserved in insect boxes after collecting, killing and pinning.
- (v) Larger animals like birds and mammals are usually stuffed and preserved.
- (vi) Skeletons of mammals are not allowed to be kept in museums.

Which of the above statements is/are not correct?

- a) (ii) and (iii)    b) (i) and (vi)    c) (v) only    d) (vi) only

45. The taxon which includes related families is

- a) Order    b) Class    c) Genus    d) Division

46. Match the following columns.

Column I	Column II
A. Kingdom	1. Annus
B. Order	2. Helianthus
C. Family	3. Fungi
D. Genus	4. Canidae
E. Species	5. Ranales

- a) 

A	B	C	D	E
3	5	4	2	1

    b) 

A	B	C	D	E
3	4	5	2	1

    c) 

A	B	C	D	E
3	5	2	4	1

    d) 

A	B	C	D	E
1	5	4	2	3

47. Correct name is

- a) Brassica indica    b) Mangifera indica    c) Solanum melongina    d) Mimosa Pudica

48. A pair of contrasting characters in keys is called

- a) Doublet    b) Duplet    c) Couplet    d) Triplet

49. \_\_\_\_\_ are useful in providing information for identification of names of species found in an area.

- a) Flora    b) Manuals    c) Monographs    d) Catalogues

50. Read the statements given below and identify the incorrect statement.

- a) Scientific names favour multiple naming for the same kind of an organism
- b) Scientific names are used all over the world
- c) Scientific names are often descriptive and tell us some important character of an organism
- d) Scientific names indicate relationship between species

51. Match the following columns.

Column I	Column II
A. Largest herbarium	1. Indian Botanical Garden, Sibpur
B. Largest botanical garden of Asia	2. Pisa Botanical Garden, Italy
C. First botanical garden	3. Royal Botanic Garden, Kew
	4. National Botanical Garden, Lucknow

- a) 

A	B	C
4	2	1

    b) 

A	B	C
1	2	3

    c) 

A	B	C
3	1	2

    d) 

A	B	C
4	1	3

52. The living organisms can be unexceptionally distinguished from the non-living things on the basis of their ability for

- a) Responsiveness to touch    b) Interaction with the environment and progressive evolution    c) Reproduction  
d) Growth and movement
53. Mango belongs to this order  
a) Anacardiales    b) Poales    c) Sapindales    d) Polymoniales
54. Select the incorrect statement out of the following.  
a) All animals belonging to various phyla are assigned to the Kingdom Animalia.  
b) As we go higher from species to kingdom, number of common characteristics goes on increasing  
c)  
Different classes comprising fish, amphibians, reptiles, birds and mammals together constitute the Phylum Chordata  
d)  
Plant order Polymoniales includes the families like Solanaceae and Convolvulaceae based on the vegetative and floral characters
55. Which one of the following aspects is an exclusive characteristic of living things?  
a) Isolated metabolic reactions occur in vitro    b) Increase in mass from inside only  
c) Perception of events happening in the environment and their memory  
d) Increase in mass by accumulation of material both on surface as well as internally.
56. Which one of the following is not a correct statement?  
a) A museum has collection of photographs of plants and animals.  
b) Botanical gardens have collection of living plants for reference.  
c) Herbarium has dried, pressed and preserved plant specimens.  
d) Key is taxonomic aid for identification of specimens.
57. The taxonomic unit 'Phylum' in the classification of animals is equivalent to which hierarchical level in classification of plants?  
a) Class    b) Order    c) Division    d) Family
58. In biological terminology, a group of similar organisms which are capable of interbreeding and producing fertile offsprings is called  
a) species    b) genus    c) tribe    d) family.
59. **Assertion:** Systematics is defined as the science of diversity of organisms in evolutionary context.  
**Reason:** Systematics include interrelationship between organisms  
a) If both assertion and reason are true and reason is the correct explanation of assertion.  
b) If both assertion and reason are true but reason is not the correct explanation of assertion.  
c) If assertion is true but reason is false.    d) If both assertion and reason are false.
60. Which term can be used for any taxonomic rank?  
a) Class    b) Taxon    c) Family    d) Cohort
61. Related genera belong to the same  
a) species    b) variety    c) family    d) breed
62. Which of the following taxonomic categories includes one or more related orders?  
a) Phylum/Division    b) Genus    c) Family    d) Class
63. The statement 'nothing lives forever, yet life continues, illustrates the role of  
a) embryogenesis    b) morphogenesis    c) replication    d) reproduction.
64. What is true for photolithotrops?  
a) Obtain energy from radiations and hydrogen from organic compounds  
b) Obtain energy from radiations and hydrogen from inorganic compounds  
c) Obtain energy from organic compounds    d) Obtain energy from inorganic compounds
65. National Zoological Park is situated at

- a) Delhi b) Lucknow c) Jaipur d) Darjeeling

66. Which of the following statements regarding the universal rules of biological nomenclature is incorrect?

- a) Biological names are generally in Latin and written in italics.  
b) The first word in a biological name represents the genus while the second component denotes the species.  
c)

Both the words in a biological name, when handwritten, are separately underlined, or printed in italics to indicate their Latin origin.

d)

The specific epithet starts with a capital letter while the generic epithet starts with a small letter. It can be illustrated with the example of **Mangifera Indica**

67. Match the items given in column I with those in column II and select the correct option given below:

Column I	Column II
A. Herbarium	(i) It is a place having a collection of preserved plants and animals.
B. Key	(ii) A list that enumerates methodically all the species found in an area with brief description.
C. Museum	(iii) Is a place where dried and pressed plants specimens mounted on sheets are kept
D. Catalogue	(iv) A booklet containing a list of characters and their alternates which are helpful in identification of various taxa.

a)

A	B	C	D
(i)	(iv)	(iii)	(ii)

b)

A	B	C	D
(iii)	(iv)	(i)	(ii)

c)

A	B	C	D
(ii)	(iv)	(iii)	(i)

d)

A	B	C	D
(iii)	(ii)	(i)	(iv)

68. Quick referral systems in taxonomic studies are?

- a) Botanical garden b) Herbaria c) Monograph d) manual

69. Match the following columns.

Column I	Column II
A. Father of Taxonomy	1. Carolus Linnaeus
B. Father of Zoology	2. Aristotle
C. Father of Biology	3. Julian Huxley
D. Father of Neotaxonomy	4. Ernst Mayr
E. Darwin of 20th century	5. John Ray

a)

A	B	C	D	E
2	3	1	1	5

b)

A	B	C	D	E
1	2	2	3	4

c)

A	B	C	D	E
2	3	3	5	4

d)

A	B	C	D	E
2	3	4	1	5

70. **Assertion:** System of providing name with two components is called binomial nomenclature.

**Reason:** Each name consists first of a specific name and second of a generic name.

- a) If both assertion and reason are true and reason is the correct explanation of assertion.  
b) If both assertion and reason are true but reason is not the correct explanation of assertion.  
c) If assertion is true but reason is false. d) If both assertion and reason are false.

71. The ascending or descending arrangement of taxonomic categories is called as

- a) classification b) taxonomy c) hierarchy d) key.

72. Which one of the following organisms is scientifically correctly named, correctly printed according to the International Rules of Nomenclature and correctly described?

- a) *Musca domestica* - The common house lizard, a reptile  
b) *Plasmodium falciparum* - A protozoan pathogen causing the most serious type of malaria.

- c) *Felis tigris* - The Indian tiger, well protected in Gir forests  
 d) *E. coli* - Full name *Entamoeba coli* a commonly occurring bacterium in human intestine.

73. Incorrect statement in relation to taxonomic key is

- a) Based on set of contrasting characters    b) Generally analytical in nature  
 c) Same taxonomic key can be used for different taxonomic categories  
 d) Used for the identification of both plants and animals

74. Zoological parks

- a) Have preserved animal specimens    b) Have wild mammals only    c) Don't include birds  
 d) Are useful in identification of animals

75. Floral features are commonly used for identification of angiosperms because

- a) reproductive parts are more conservative    b) flowers can be safely preserved  
 c) flowers are nice to work with    d) flowers have various colours and scents.

76. Standardization of names helps in

- a) Providing one name for each organism  
 b) Enabling people to arrive at the same name for a particular organism all over the world  
 c) Ensuring that a name for an organism has not been used for any other known organism    d) All of these

77. Match column I with column II and select the correct option from the given codes.

Column I	Column II
A. Royal Botanical Garden Kew	(i) Lucknow
B. Indian Botanical Garden	(ii) England
C. National Botanical Research Institute	(iii) Howrah
D. Llyod Botanical Garden	(iv) Darjeeling

- a) A-(ii), B-(iii), C-(i), D-(iv)    b) A-(i), B-(iii), C-(ii), D-(iv)    c) A-(iv), B-(ii), C-(i), D-(iii)  
 d) A-(iv), B-(iii), C-(ii), D-(i)

78. **Assertion:** Metabolism refers to the sum of chemical reactions that occur within living organisms.

**Reason:** Metabolic reactions occur simultaneously inside living organisms

- a) If both assertion and reason are true and reason is the correct explanation of assertion.  
 b) If both assertion and reason are true but reason is not the correct explanation of  
 c) If assertion is true but reason is false.    d) If both assertion and reason are false.

79. Read the following statements and select the correct option.

**Statement 1:** Reproduction cannot be considered as defining property of living organisms.

**Statement 2:** There are many living organisms which do not reproduce, e.g., mules, worker bees, etc.

- a) Statement 1 is incorrect but statement 2 is correct    b) Both statements 1 and 2 are incorrect  
 c) Both statements 1 and 2 are correct    d) Statement 1 is correct but statement 2 is incorrect.

80. Carolus Linnaeus belonged to

- a) France    b) Germany    c) Sweden    d) Holland.

81. \_\_\_\_\_ is a taxonomic aid which contains the actual account of habitat and distribution of plants of a given area and also provides the index to the plant species found in a particular area.

- a) Flora    b) Key    c) Monograph    d) Manual

82. Museums have

- a) Collection of living organisms    b) Dried and preserved plant specimens only  
 c) Animals kept in their natural habitats    d) Preserved plant and animals specimens

83. Two animals belong to the same kingdom but different classes. They may belong to the same

- a) phylum    b) order    c) division    d) species

84. Genus is a group of similar and related



a) classes   b) phyla   c) species   d) orders.

85. ICBN stands for

- a) Indian Congress of Biological Names   b) International Code of Botanical Nomenclature  
c) International Congress of Biological Names   d) Indian Code of Botanical Nomenclature

86. **Assertion** : Hierarchical system of classification is useful to reduce the voluminous description in the catalogue of organisms.

**Reason** : Characters of a larger category (like division) are not repeated for smaller/ lower categories (family and order).

- a) Both Assertion and Reason are true, and Reason is the correct explanation of Assertion  
b) Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion  
c) Assertion is true, but Reason is false   d) Assertion is false, but Reason is true

87. Which of the following statements are correct about tautonyms?

- I. Generic name different than species name.  
II. Generic name repeated as specific name.  
III. Generic name absent.  
IV. Generic name is written after species name.

- a) I, III and IV   b) Only II   c) Only III   d) All of the above

88. Which of the following is a defining characteristic of living organisms?

- a) Growth   b) Ability to make sound   c) Reproduction   d) Response to external stimuli

89. Angiosperms have dominated the land flora primarily because of their \_\_\_\_\_.

- a) Power of adaptability in diverse habitat   b) Property of producing large number of seeds  
c) Nature of self Pollination   d) Domestication by man

90. Select the mismatched pair.

- a) *Panthera leo* - Belongs to Class Mammalia   b) *Musca domestica* - The common house lizard, a reptile  
c) *Entamoeba coli* - Commonly occurring protozoan in human intestine  
d) *Solanum tuberosum* - A dicotyledonous plant

91. Which of the following is the correct representation of organisation levels in living beings?

- a) Subcellular → Cellular → Individual → Community → Population  
b) Atomic → Molecular → Subcellular → Cellular → Tissue → Organ system → Individual  
c) Individual → Population → Organ system → Tissue → Cellular → Molecular → Atomic  
d) Atomic → Molecular → Tissue → Individual → Ecosystem → Community

92. In a scientific name, the name of author is printed in

- a) italics   b) bold (antic)   c) roman   d) capital letters

93. **Assertion**: Classification is necessary to study all living organisms.

**Reason**: In classification, individuals are grouped into categories.

- a) If both assertion and reason are true and reason is the correct explanation of assertion.  
b) If both assertion and reason are true but reason is not the correct explanation of assertion.  
c) If assertion is true but reason is false.   d) If both assertion and reason are false.

94. Study the following statements regarding the preparation of herbarium sheets.

- (i) Plant should be collected in flowering stage.  
(ii) Every detail regarding the plant such as locality, ecological conditions, vegetative and floral characters, etc. should be noted.  
(iii) Plants are evenly pressed by unfolding all the plant parts between blotting papers (or newspapers) with the help of plant pressers.  
(iv) Blotting papers need not be changed until the plant gets dried.  
(v) After drying, the plant specimen is carefully mounted! pasted on the herbarium sheets.

(vi) The herbarium sheet is labelled on the lower right hand corner representing the number of plant specimen, date of collection, etc.

Which of the above statements is/are not correct?

a) (i) only   b) (iv) only   c) (i) and (iv)   d) (iii) and (iv)

95. Huxley is father of

a) classical taxonomy   b) artificial taxonomy   c) neotaxonomy   d) adansonian taxonomy

96. **Assertion:** A morphology based approach to taxonomy is called 'alpha taxonomy' and it is old fashioned.

**Reason:** A multi-disciplinary approach to taxonomy called 'omega taxonomy' is favoured in recent years, as it excludes morphological features.

- a) Both Assertion and Reason are true, and Reason is the correct explanation of Assertion.
- b) Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.
- c) Assertion is true, but Reason is false.
- d) Assertion is false, but Reason is true.
- e) Both Assertion and Reason are false.

97. Pedology is science of \_\_\_\_\_.

a) Earth   b) Soil   c) Diseases   d) Pollution

98. Classification based on chromosome number is

a) cytotaxonomy   b) numerical taxonomy   c) karyotaxonomy   d) biochemistry

99. **Assertion :** Museums are places/institution where preserved plant, animals, artistic and educational material are exhibited to public.

**Reason :** Museums are of different kinds, like art, history, science and general museum which exhibit their material to public awareness.

- a) Both Assertion and Reason are true, and Reason is the correct explanation of Assertion
- b) Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion
- c) Assertion is true, but Reason is false
- d) Assertion is false, but Reason is true

100. Which one of the following is not a correct statement?

- a) Herbarium houses dried, pressed and preserved plant specimens
- b) Botanical gardens have collection of living plants for reference
- c) A museum has collection of photographs of plants and animals
- d) Key is a taxonomic aid for identification of specimens

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